

Title (en)

CLOSED-LOOP CONTROL METHOD AND CLOSED-LOOP CONTROL DEVICE WITH MULTI-CHANNEL FEEDBACK

Title (de)

REGELVERFAHREN UND REGELVORRICHTUNG MIT MEHRKANALIGER RÜCKFÜHRUNG

Title (fr)

PROCÉDÉ DE RÉGULATION ET DISPOSITIF DE RÉGULATION À RÉTROACTION MULTICANAL

Publication

EP 2111569 B1 20100721 (DE)

Application

EP 08774952 A 20080709

Priority

- EP 2008058948 W 20080709
- DE 102007032484 A 20070712

Abstract (en)

[origin: WO2009007407A1] A closed-loop control method with multi-channel feedback is described, in which a feedback variable r1, which is determined by sampling a closed-loop control variable x with a sampling frequency fA, and a further feedback variable r2, which is determined by averaging the closed-loop control variable x over a time period Ts, are each separately compared with a guide variable w. Each of the control errors e1, e2, which are determined in the process is fed to a separate controller 31, 32 which respectively forms therefrom an individual closed-loop control output variable m1, m2. Finally, a closed-loop control output variable m, formed from the individual closed-loop control output variables m1, m2, is used to adjust the closed-loop control variable x so that the closed-loop control variable x follows the guide variable w.

IPC 8 full level

G05B 11/28 (2006.01); **G05B 11/42** (2006.01); **G05B 21/02** (2006.01); **G05F 1/70** (2006.01)

CPC (source: EP US)

G05B 11/28 (2013.01 - EP US); **G05B 11/42** (2013.01 - EP US); **G05B 21/02** (2013.01 - EP US)

Cited by

DE102008005054B4; DE102011121879A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2009007407 A1 20090115; AT E475120 T1 20100815; CN 101743521 A 20100616; CN 101743521 B 20120523; DE 102007032484 A1 20090122; DE 502008000989 D1 20100902; EP 2111569 A1 20091028; EP 2111569 B1 20100721; ES 2347500 T3 20101029; JP 2010528385 A 20100819; JP 5513374 B2 20140604; PT 2111569 E 20100907; US 2010141198 A1 20100610; US 8203300 B2 20120619

DOCDB simple family (application)

EP 2008058948 W 20080709; AT 08774952 T 20080709; CN 200880018826 A 20080709; DE 102007032484 A 20070712; DE 502008000989 T 20080709; EP 08774952 A 20080709; ES 08774952 T 20080709; JP 2010509849 A 20080709; PT 08774952 T 20080709; US 68511510 A 20100111